

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/021,741B
Source: IFW/b
Date Processed by STIC: 2/14/05

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/021,741B

CRF Edit Date: 2/15/05
Edited by: AR

_____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

_____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____ Deleted: _____ invalid beginning/end-of-file text ; _____ page numbers

_____ Inserted mandatory headings/numeric identifiers, specifically:

_____ Moved responses to same line as heading/numeric identifier, specifically:

C Other: Figure 2 - corrected spelling of "Sapiens"



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/021,741B

DATE: 02/15/2005

TIME: 11:24:30

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Output Set: N:\CRF4\02152005\J021741B.raw

3 <110> APPLICANT: University of North Texas Health Science Center at Fort
 4 Worth
 5 Mathews, Porunellor A.
 6 Boles, Kent
 8 <120> TITLE OF INVENTION: Immuno activation of CS1 receptor in natural killer cells to
 9 inhibit tumor cell growth
 11 <130> FILE REFERENCE: 120746.00004
 13 <140> CURRENT APPLICATION NUMBER: 10/021,741B
 14 <141> CURRENT FILING DATE: 2001-12-12
 16 <160> NUMBER OF SEQ ID NOS: 5
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 1083
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo Sapiens
 25 <300> PUBLICATION INFORMATION:
 26 <301> AUTHORS: Boles, K.S. and Mathew, P.A.
 27 <302> TITLE: Molecular cloning of CS1, a novel human natural killer cell
 28 <303> JOURNAL: Immunogenetics
 29 <304> VOLUME: 52
 30 <305> ISSUE: (3-4)
 31 <306> PAGES: 302-307
 32 <307> DATE: 2001
 33 <308> DATABASE ACCESSION NO: AF291815
 34 <309> DATABASE ENTRY DATE: 2000-08-01
 35 <313> RELEVANT RESIDUES: (1)..(1083)
 37 <300> PUBLICATION INFORMATION:
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 39 <309> DATABASE ENTRY DATE: 2000-08-01
 40 <313> RELEVANT RESIDUES: (1)..(1083)
 42 <400> SEQUENCE: 1
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 47 tgactttccc cctgaagtcc aaagtaaagc aagtgtactc tattgtctgg accttcaaca 180
 49 caacccctct tgtcaccata cagccagaag ggggcaactat catagtgacc caaaatcgta 240
 51 atagggagag agtagacttc ccagatggag gctactccct gaagctcagc aaactgaaga 300
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 55 cccaggagta cgtgctgcat gtctacgagc acctgtcaaa gcctaaagtc accatgggtc 420
 57 tgcagagcaa taagaatggc acctgtgtga ccaatctgac atgctgcatg gaacatgggg 480
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 61 ggtccatcttc ccccatctcc tgagatggg gagaaagtga tatgaccctc atctgcgttg 600
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73	aagatccagc	aaatacggtt	tactccactg	tggaaaatacc	aaaaaaagatg	aaaaaatcccc	960
75	actcaactgct	cacgatgcc	gacacaccaa	ggctatttgc	ctatgagaat	gttatctaga	1020
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84	<212>	TYPE:	PRT				
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88	<301>	AUTHORS:	Boles, K.S. and Mathew, P.A.				
89	<302>	TITLE:	Molecular cloning of CS1, a novel human natural killer cell				
90	<303>	JOURNAL:	Immunogenetics				
91	<304>	VOLUME:	52				
92	<305>	ISSUE:	(3-4)				
93	<306>	PAGES:	302-307				
94	<307>	DATE:	2001				
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96	<309>	DATABASE ENTRY DATE:	2001-08-01				
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111	20	25	30				
114	Val Gly Gly Ala Val Thr Phe Pro Leu Lys Ser Lys Val Lys Gln Val						
115	35	40	45				
118	Asp Ser Ile Val Trp Thr Phe Asn Thr Thr Pro Leu Val Thr Ile Gln						
119	50	55	60				
122	Pro Glu Gly Gly Thr Ile Ile Val Thr Gln Asn Arg Asn Arg Glu Arg						
123	65	70	75	80			
126	Val Asp Phe Pro Asp Gly Gly Tyr Ser Leu Lys Leu Ser Lys Leu Lys						
127	85	90	95				
130	Lys Asn Asp Ser Gly Ile Tyr Tyr Val Gly Ile Tyr Ser Ser Ser Leu						
131	100	105	110				
134	Gln Gln Pro Ser Thr Gln Glu Tyr Val Leu His Val Tyr Glu His Leu						
135	115	120	125				
138	Ser Lys Pro Lys Val Thr Met Gly Leu Gln Ser Asn Lys Asn Gly Thr						
139	130	135	140				
142	Cys Val Thr Asn Leu Thr Cys Cys Met Glu His Gly Glu Glu Asp Val						
143	145	150	155	160			
146	Ile Tyr Thr Trp Lys Ala Leu Gly Gln Ala Ala Asn Glu Ser His Asn						
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151 180 185 190
154 Phe Ile Cys Val Ala Arg Asn Pro Val Ser Arg Asn Phe Ser Ser Pro
155 195 200 205
158 Ile Leu Ala Arg Lys Leu Cys Glu Gly Ala Ala Asp Asp Pro Asp Ser
159 210 215 220
162 Ser Met Val Leu Leu Cys Leu Leu Leu Val Pro Leu Leu Leu Ser Leu
163 225 230 235 240
166 Phe Val Leu Gly Leu Phe Leu Trp Phe Leu Lys Arg Glu Arg Gln Glu
167 245 250 255
170 Glu Tyr Ile Glu Glu Lys Lys Arg Val Asp Ile Cys Arg Glu Thr Pro
171 260 265 270
174 Asn Ile Cys Pro His Ser Gly Glu Asn Thr Glu Tyr Asp Thr Ile Pro
175 275 280 285
178 His Thr Asn Arg Thr Ile Leu Lys Glu Asp Pro Ala Asn Thr Val Tyr
179 290 295 300
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191 <211> LENGTH: 12
192 <212> TYPE: PRT
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195 <220> FEATURE:
196 <223> OTHER INFORMATION: Peptide fragment of mAb for CS1 receptor.
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200 Cys Gln Asn Arg Asn Arg Glu Arg Val Asp Phe Pro
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204 <210> SEQ ID NO: 4
205 <211> LENGTH: 11
206 <212> TYPE: PRT
207 <213> ORGANISM: artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Peptide fragment of mAb for CS1 receptor.
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223 <220> FEATURE:
224 <223> OTHER INFORMATION: Peptide fragment of mAb for CS1 receptor.
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VERIFICATION SUMMARY

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IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/021,741B

DATE: 02/15/2005

TIME: 11:19:31

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1 <110> APPLICANT: University of North Texas Health Science Center at Fort
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 3 Mathews, Porunellor A.
 4 Boles, Kent
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 11 <170> SOFTWARE: PatentIn version 3.3
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 21 <305> ISSUE: (3-4)
 22 <306> PAGES: 302-307
 23 <307> DATE: 2001
 24 <308> DATABASE ACCESSION NO: AF291815
 25 <309> DATABASE ENTRY DATE: 2000-08-01
 26 <313> RELEVANT RESIDUES: (1)..(1083)
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 29 <309> DATABASE ENTRY DATE: 2000-08-01
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 31 <400> SEQUENCE: 1
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Does Not Comply
Corrected Diskette Needed

P, 2

RAW SEQUENCE LISTING

DATE: 02/15/2005

PATENT APPLICATION: US/10/021,741B

TIME: 11:19:31

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48	aagatccagc aaatacggt tactccactg tggaaatacc gaaaaagatg gaaaatcccc	960
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53 <210> SEQ ID NO: 2

54 <211> LENGTH: 335

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55 <212> TYPE: PRT

56 <213> ORGANISM: Homo*Sapens*

57 <300> PUBLICATION INFORMATION:

58 <301> AUTHORS: Boles, K.S. and Mathew, P.A.

59 <302> TITLE: Molecular cloning of CS1, a novel human natural killer cell

60 <303> JOURNAL: Immunogenetics

61 <304> VOLUME: 52

62 <305> ISSUE: (3-4)

63 <306> PAGES: 302-307

64 <307> DATE: 2001

65 <308> DATABASE ACCESSION NO: AAK11549

66 <309> DATABASE ENTRY DATE: 2001-08-01

67 <313> RELEVANT RESIDUES: (1)..(335)

68 <300> PUBLICATION INFORMATION:

69 <308> DATABASE ACCESSION NO: AAK11549

70 <309> DATABASE ENTRY DATE: 2001-08-01

71 <313> RELEVANT RESIDUES: (1)..(335)

72 <400> SEQUENCE: 2

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74	1	5	10	15
75	Leu Thr Gly Ser Ala Ala Ser Gly Pro Val Lys Glu Leu Val Gly Ser			
76	20	25	30	
77	Val Gly Ala Val Thr Phe Pro Leu Lys Ser Lys Val Lys Gln Val			
78	35	40	45	
79	Asp Ser Ile Val Trp Thr Phe Asn Thr Thr Pro Leu Val Thr Ile Gln			
80	50	55	60	
81	Pro Glu Gly Gly Thr Ile Ile Val Thr Gln Asn Arg Asn Arg Glu Arg			
82	65	70	75	80
83	Val Asp Phe Pro Asp Gly Gly Tyr Ser Leu Lys Leu Ser Lys Leu Lys			
84	85	90	95	
85	Lys Asn Asp Ser Gly Ile Tyr Tyr Val Gly Ile Tyr Ser Ser Leu			
86	100	105	110	
87	Gln Gln Pro Ser Thr Gln Glu Tyr Val Leu His Val Tyr Glu His Leu			
88	115	120	125	
89	Ser Lys Pro Lys Val Thr Met Gly Leu Gln Ser Asn Lys Asn Gly Thr			
90	130	135	140	
91	Cys Val Thr Asn Leu Thr Cys Cys Met Glu His Gly Glu Glu Asp Val			
92	145	150	155	160
93	Ile Tyr Thr Trp Lys Ala Leu Gly Gln Ala Ala Asn Glu Ser His Asn			
94	165	170	175	

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 98 195 200 205
 99 Ile Leu Ala Arg Lys Leu Cys Glu Gly Ala Ala Asp Asp Pro Asp Ser
 100 210 215 220
 101 Ser Met Val Leu Leu Cys Leu Leu Leu Val Pro Leu Leu Leu Ser Leu
 102 225 230 235 240
 103 Phe Val Leu Gly Leu Phe Leu Trp Phe Leu Lys Arg Glu Arg Gln Glu
 104 245 250 255
 105 Glu Tyr Ile Glu Glu Lys Lys Arg Val Asp Ile Cys Arg Glu Thr Pro
 106 260 265 270
 107 Asn Ile Cys Pro His Ser Gly Glu Asn Thr Glu Tyr Asp Thr Ile Pro
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 109 His Thr Asn Arg Thr Ile Leu Lys Glu Asp Pro Ala Asn Thr Val Tyr
 110 290 295 300
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 121 <223> OTHER INFORMATION: Peptide fragment of mAb for CS1 receptor.
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 131 <223> OTHER INFORMATION: Peptide fragment of mAb for CS1 receptor.
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PATENT APPLICATION: US/10/021,741B TIME: 11:19:32

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